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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2008; month=6; day=4; hr=18; min=10; sec=38; ms=423;]

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Application No: 10520401 Version No: 3.0

Input Set:

Output Set:

Started: 2008-05-13 14:00:12.386
Finished: 2008-05-13 14:00:13.190
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 804 ms
Total Warnings: 8
Total Errors: 0
No. of SeqIDs Defined: 10
Actual SeqID Count: 10

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SEQUENCE LISTING

<110> BOZZONI, IRENE
CAFFARELLI, ELISA
LANEVE, PIETRO

<120> PURIFICATION, CLONING AND BIOCHEMICAL CHARACTERIZATION
OF XENDOU, ENDORIBONUCLEASIC ACTIVITY INVOLVED IN SMALL
NUCLEAR RNA SPLICING-INDEPENDENT BIOSYNTHESIS IN
XENOPUS LAEVIS

<130> 2520-1050

<140> 10520401
<141> 2005-09-12

<150> PCT/IT03/00424
<151> 2003-07-04

<150> IT RM2002A000365
<151> 2002-07-08

<160> 10

<170> PatentIn Ver. 3.3

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<213> Xenopus laevis

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<222> (39)..(914)

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cag ctg aac cat gaa ctc tcc aag ctg ttt aat gag ctg tgg gac gca 104
Gln Leu Asn His Glu Leu Ser Lys Leu Phe Asn Glu Leu Trp Asp Ala
10 15 20

gat cag aac cgg atg aag tcc ggg aag gat tat cgg atc tcc ttg cag 152
Asp Gln Asn Arg Met Lys Ser Gly Lys Asp Tyr Arg Ile Ser Leu Gln
25 30 35

ggT aaa gca ggg tac gta ccc gcc ggt tcc aac cag gcc agg gac agc 200
Gly Lys Ala Gly Tyr Val Pro Ala Gly Ser Asn Gln Ala Arg Asp Ser
40 45 50

gcc tcg ttc ccg ctc ttc cag ttc gtc gat gag gag aag ctg aag agc 248
Ala Ser Phe Pro Leu Phe Gln Phe Val Asp Glu Glu Lys Leu Lys Ser
55 60 65 70

agg aag acg ttt gca acc ttc att tcc ctg ctg gac aat tat gag atg Arg Lys Thr Phe Ala Thr Phe Ile Ser Leu Leu Asp Asn Tyr Glu Met	75	80	85	296	
gac acg ggg gtg gcc gag gtt gtg act ccg gag gaa atc gct gaa aac Asp Thr Gly Val Ala Glu Val Val Thr Pro Glu Glu Ile Ala Glu Asn	90	95	100	344	
aac aac ttc ctg gac gcc att ctg gaa acc aaa gtg atg aag atg gca Asn Asn Phe Leu Asp Ala Ile Leu Glu Thr Lys Val Met Lys Met Ala	105	110	115	392	
cat gac tac ctg gtg agg aag aac caa gcc aaa ccc acc cgg aat gac His Asp Tyr Leu Val Arg Lys Asn Gln Ala Lys Pro Thr Arg Asn Asp	120	125	130	440	
ttc aag gtc caa ctg tac aac atc tgg ttc cag ctg tac tca cgg gcc Phe Lys Val Gln Leu Tyr Asn Ile Trp Phe Gln Leu Tyr Ser Arg Ala	135	140	145	150	488
cca ggg agc aga ccc gat tcg tgc ggc ttt gag cac gtg ttt gtg gga Pro Gly Ser Arg Pro Asp Ser Cys Gly Phe Glu His Val Phe Val Gly	155	160	165	536	
gaa tcg aag cga ggg cag gag atg atg ggg ctt cac aac tgg gtc cag Glu Ser Lys Arg Gly Gln Glu Met Met Gly Leu His Asn Trp Val Gln	170	175	180	584	
ttt tac ctt cag gag aag agg aag aac atc gac tat aaa gga tac gtg Phe Tyr Leu Gln Glu Lys Arg Lys Asn Ile Asp Tyr Lys Gly Tyr Val	185	190	195	632	
gct cgg cag aac aag agt cgg ccg gat gaa gat gat cag gtg ttg aac Ala Arg Gln Asn Lys Ser Arg Pro Asp Glu Asp Asp Gln Val Leu Asn	200	205	210	680	
ctg cag ttc aat tgg aag gag atg gtg aaa ccc gtc ggc agc agc ttc Leu Gln Phe Asn Trp Lys Glu Met Val Lys Pro Val Gly Ser Ser Phe	215	220	225	230	728
att ggc gtc agc ccg gaa ttc gaa ttc gcc ctt tac acc atc gtc ttc Ile Gly Val Ser Pro Glu Phe Glu Phe Ala Leu Tyr Thr Ile Val Phe	235	240	245	776	
ctc gcg tct cag gag aag atg agc cga gaa gtc gtt cgg ctg gaa gaa Leu Ala Ser Gln Glu Lys Met Ser Arg Glu Val Val Arg Leu Glu Glu	250	255	260	824	
tac gaa ctg cag atc gtc gtc aat cgc cac ggc cgt tat ata ggg acc Tyr Glu Leu Gln Ile Val Val Asn Arg His Gly Arg Tyr Ile Gly Thr	265	270	275	872	
gcc tac ccc gtc ctc ctg agc acc aat aac ccg gat ctg tac t Ala Tyr Pro Val Leu Leu Ser Thr Asn Asn Pro Asp Leu Tyr	280	285	290	915	

gaggggggcgg ggctagagat cacagccgtt tcccacggtt tgggtgcatt tactaacaaa 975
actgcaccaa tgcaacaaca atgcaagcag ataatggggg caggtccata tccctctgct 1035
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Tyr Arg Ile Ser Leu Gln Gly Lys Ala Gly Tyr Val Pro Ala Gly Ser
35 40 45
Asn Gln Ala Arg Asp Ser Ala Ser Phe Pro Leu Phe Gln Phe Val Asp
50 55 60
Glu Glu Lys Leu Lys Ser Arg Lys Thr Phe Ala Thr Phe Ile Ser Leu
65 70 75 80
Leu Asp Asn Tyr Glu Met Asp Thr Gly Val Ala Glu Val Val Thr Pro
85 90 95
Glu Glu Ile Ala Glu Asn Asn Phe Leu Asp Ala Ile Leu Glu Thr
100 105 110
Lys Val Met Lys Met Ala His Asp Tyr Leu Val Arg Lys Asn Gln Ala
115 120 125
Lys Pro Thr Arg Asn Asp Phe Lys Val Gln Leu Tyr Asn Ile Trp Phe
130 135 140
Gln Leu Tyr Ser Arg Ala Pro Gly Ser Arg Pro Asp Ser Cys Gly Phe
145 150 155 160
Glu His Val Phe Val Gly Glu Ser Lys Arg Gly Gln Glu Met Met Gly
165 170 175
Leu His Asn Trp Val Gln Phe Tyr Leu Gln Glu Lys Arg Lys Asn Ile
180 185 190
Asp Tyr Lys Gly Tyr Val Ala Arg Gln Asn Lys Ser Arg Pro Asp Glu
195 200 205

Asp Asp Gln Val Leu Asn Leu Gln Phe Asn Trp Lys Glu Met Val Lys
210 215 220

Pro Val Gly Ser Ser Phe Ile Gly Val Ser Pro Glu Phe Glu Phe Ala
225 230 235 240

Leu Tyr Thr Ile Val Phe Leu Ala Ser Gln Glu Lys Met Ser Arg Glu
245 250 255

Val Val Arg Leu Glu Glu Tyr Glu Leu Gln Ile Val Val Asn Arg His
260 265 270

Gly Arg Tyr Ile Gly Thr Ala Tyr Pro Val Leu Leu Ser Thr Asn Asn
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Pro Asp Leu Tyr
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<211> 20
<212> RNA
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<220>
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<400> 3
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<210> 4
<211> 20
<212> RNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 4
ggaaaacguau ccuugggagg 20

<210> 5
<211> 20
<212> RNA
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<220>
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oligonucleotide

<400> 5

ggaaacguau ccucugggag

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<210> 6
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<220>
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ggaaacguau ccugugggag

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<210> 7
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<210> 8
<211> 20
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<220>
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<210> 9
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<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
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<400> 9
aagcttcttc atggcggctc ggccaat

27

<210> 10
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oligonucleotide

<400> 10
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15